## Water-cleaning ceramic ring and its production method

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- European:

Application number: CN20011030684 20010820 Priority number(s): CN20011030684 20010820

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## Abstract of CN1405122

The water-cleaning ceramic ring of removing organic pollutant is characterized by that its external layer is covered with a layer of nano TiO2 and ZnO composite photocatlaytic material film or a layer of nano TiO2 and ZnO and Ag(+) composite material film, and its preparation method includes the following steps: 1. mixing two nano powders of TiO2 and ZnO according to the mixing ratio of 10:1, adding anhydrous ethyl alcohol and mixing them into paste material, diluting the paste material and making it into suspension; 2. placing the cleaned and dried ceramic ring into the suspension, having a dip in it and drying; and 3. making heat treatment at 1000 deg.c for 1 hr., taking out and natural cooling to obtain the invented water-cleaning ceramic ring which can be used for treating sewage, cleaning water quality, degrading organic matter in water and inhibiting and killing various bacteria.

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AB - CN1405122 NOVELTY - The water-cleaning ceramic ring for removing organic pollutant has an external layer covered with a layer of nano TiO2 and ZnO composite photocatalytic material film or a layer of nano TiO2 and ZnO and Ag(+) composite material film. Its preparation includes: 1. mixing two nano powders of TiO2 and ZnO according to the mixing ratio of 10:1, adding anhydrous ethyl alcohol and mixing into paste material, diluting the paste material and making it into suspension; 2. placing the cleaned and dried ceramic ring into the suspension, having a dip in it and drying; and 3. heat treating at 1000 degrees C for 1 hr., taking out and natural cooling to obtain the water-cleaning ceramic ring.

- USE - Used for treating sewage, cleaning water, degrading organic matter in water and inhibiting and killing various bacteria.

- (Dwg.0/0)

IW - WATER CLEAN CERAMIC RING PRODUCE

**IKW - WATER CLEAN CERAMIC RING PRODUCE** 

**INW - ZHANG Y** 

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